



03-01-02

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Our Docket No.: **14255** Date: February 27, 2002

First Named Inventor: Anna Sylvan

Title: **METHOD FOR DETERMINING ALLELE FREQUENCIES**

Express Mail No.: **EV040989027US**



ADDRESS TO: **Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231**

**APPLICATION ELEMENTS**

1. ☒ Fee Calculation Sheet  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status
3. ☒ Specification Total Pages: **70**
  - ☒ Descriptive title of the invention
  - ☒ Cross References to Related Applications
  - ☐ Statement Regarding Fed. Sponsored R&D
  - ☐ Reference to Microfiche Appendix
  - ☒ Background of the Invention
  - ☒ Brief Summary of the Invention
  - ☒ Brief Description of the Drawings
  - ☒ Detailed Description
  - ☒ Claims
  - ☒ Abstract of the Disclosure
4. ☒ Drawings (35 U.S.C. 113) Total Sheets: **16**
5. ☐ Oath or Declaration Total Pages:
  - a. ☐ Newly Executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. 1.63(d))  
(for continuation/divisional with Box 19 completed)
    - 1. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application  
(see 37 C.F.R. 1.63(d)(2) and 1.33(b))
6. ☐ Application Data Sheet (37 C.F.R. 1.76)

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Certification Under 35 U.S.C. 122(b)(2)(B)(i)
10. ☐ Assignment Papers (cover sheet & document(s))
11. ☐ 37 C.F.R. 3.73(b) Submission
12. ☐ Power of Attorney
13. ☐ English Translation Document (if applicable)
14. ☐ Information Disclosure Statement  
(with Copies of Citations as necessary)
15. ☐ Preliminary Amendment Total Pages:
16. ☒ Return Receipt Postcard  
(Should be specifically itemized)
17. ☐ Certified Copy of Priority document(s)  
(If foreign priority is claimed)
18. ☐ Other

19. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:  
☐ Continuation ☐ Division ☐ Continuation-in-part (CIP) of prior Application No.:

For continuation or divisional applications: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference.

**CORRESPONDENCE ADDRESS**

ATTY NAME	Janet M. MacLeod Reg. No. 35,263	SIGNATURE:	DATE: February 27, 2002
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# APPLICATION FEE TRANSMITTAL SHEET (FOR FY 2002)

Complete if Known

Application No.  
Filing Date February 27, 2002  
First Named Inventor Anna Sylvan  
Group Art Unit  
Examiner Name  
Atty. Docket Number 14255

## METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:  
Deposit Account No.: 50-2054  
Deposit Account Name: DORSEY & WHITNEY LLP  
☒ Charge any additional fee required under 37 C.F.R. 1.16 and 1.17  
☐ Applicant claims small entity status (see 37 C.F.R. 1.27)\
2. ☒ Check Enclosed

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	<input checked="" type="checkbox"/> Utility Filing Fee	740
106	330	206	165	<input type="checkbox"/> Design Filing Fee	
108	740	208	370	<input type="checkbox"/> Reissue Filing Fee	
114	160	214	80	<input type="checkbox"/> Prov. Filing Fee	
Subtotal (1)					740

### 2. EXTRA CLAIM FEES

	Number Claims	Prior	Extra	Fee from Below	Fee Paid
Total	23	-	20	= 3 x 9/18	= 54
Indep.	3	-	3	= 0 x 42/84	= 0
Multiple Dependent Claims				x 140/280	= 54
Subtotal (2)					54

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent Claim	
109	84	209	42	Reissue independent claims over original patent	
110	18	210	9	Reissue claims in excess of 20 and over original patent	

## FEE CALCULATION (Continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - Late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	280	980	Extension for reply within fifth month	
120	320	220	160	Filing a brief in support of an appeal	
121	280	270	140	Request for oral hearing	
148	110	248	55	Terminal Disclaimer Fee	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility/Reissue issue fee (inc. advance copies)	
143	460	243	230	Design issue fee (inc. advance copies)	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
195	300	195	300	Publication fee for early, voluntary, or normal publication	
196	300	196	300	Publication fee for republication	
126	180	126	180	Submission of IDS	
581	40	81	40	Recording each patent assignment per property (times number of properties)	
179	740	279	370	Request for Continued Examination (RCE)	
Other fee (specify)					
Subtotal (3)					
Total Amount of Payment:					\$794.00

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Signature:

*Janet M MacLeod*

Date: 2/27/02